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After creating the suite of tests and spending a lot of time with it, I believe the Github API to be RESTful. All endpoints function as nouns and not verbs. The API has no accommodation nor care about "states", another important facet of REST. The API appears to conform to many of the best practices mentioned in the PDF "Web API Design: The Missing Link" such as consistent use of best practices and common protocols via HTTP. Another useful feature that lands it in the REST category is the links it provides. When navigating results from the API, you're never more than a click away from seeing related API calls and data. Similarly, pagination is handled very easily with the API allowing setting of "?page" and "?per_page" for gist results and partial retrieval amongst a large dataset. The API is clean, easy to understand and to use if you have a general understanding of APIs.